



Volume 53, Number 07

LARC



July 2013

President's Message

Dear Ham Radio Friends:

I am writing this message while on the road in Oklahoma City for the National Square Dance Convention. Four days of morning, afternoon, and evening of square dancing might amount to aversion therapy if my wife and I didn't enjoy this so much.

Each day of this trip I have been reflecting on AARA's Field Day experience of June 22-23. I am very grateful for the considerable effort members invested in this event. Based on the sign-in sheet and my memory we had at least 34 on-site participants. Thanks to Larry Leblanc KE5KJD and some computer/radio providers we operated with a networked version of N3FJP's Field Day Logging Software.

Each station had a computer monitor showing all logged contacts and indicating possible dupes on a real-time basis. We competed in class 2A with two HF rigs using the call W5DDL and a GOTA station using W5EXI. Thanks to Dave Redfearn N4ELM who tuned up my home brew HF tri-plexer and the previous AARA club provider of band pass filters for the 15, 20, and 40 m bands we were able to operate two radios at the same time using the tri-bander antenna and another radio using either the 2-L 40m beam antenna or the 80m wire dipole.

I missed the September 2012 Louisiana Special Event chaired by Herman Campbell KN5GRK operated from the Tourist Information Center in Lafayette. The 781 contacts generated from that event proved to be no fluke as we exceeded that number during Field Day with at least 825 phone contacts and another 140 CW contacts. The N3FJP software will show further data on QSO's provided by individual operators. Without the benefit of that data, I would estimate that the following were major SSB-Phone contributors: Tom W5OHJ, Jess KF5LUL, Nick KE5MWX, Mark W5GTI, Galen KF5BET, Abbi KF5BEW, Kendra KF5FYS, Glen KF5FNP, Danny KD5JSM, and Larry KE5KJD. Roger Hoskins W5QEP and myself made CW contacts. Nick Pugh K5QXJ arranged for us to use the Children's Museum Kenwood TS-2000 radio and obtained his wife JoAnn KE5RPL's Flex 1500 radio which has the pan adapter frequency spectrum display. This display showed the effectiveness of the band pass filters.

On Sunday, I noticed that Jess had mastered use of the voice recording feature of the Yeasu 450D radio which helped as they operated that station while holding a calling frequency. The recent donation of this radio by Paul Scallan K5VSH has been put to good use.

Larry KE5KJD and Sandy KE5KJF Leblanc's food team did an excellent job. In particular I would like to thank Paula Romero KF5CNS, Gena Faulk, and Kathy Daigle KD5TJZ for helping with the meals and snacks. Roland Guidry NA5Q assisted with arranging for use of the Green Room facility and will be handling the QSL card acknowledgements generated by the 965+ QSO's.

On behalf of the club I wish to thank Rayne Mayor, Honorable Roland Boudreaux, for use of the Green Room on a no-cost non-profit group basis.

Archie Hill W5AG
AARA President
2013 Field Day Chairman

Field Day Report Part 1

By Herman Campbell - KN5GRK

Our Field Day in Rayne, Louisiana turned out to be very successful as per our President's Message. I did a Field Day Report and posted it on our club webpage with some photos I took which can be found at:

http://www.w5ddl.org/clubsite/files/fd2013_report.pdf

All the FD photos found in this issue of the LARC were taken by Glen Thibodeaux KF5FNP. Photos from other members may appear in later issues of the LARC.



Paula - Nick - Larry - Archie



Archie W5AG on CW



Larry - Jess - Danny - Tom

July club meeting will be on July 11th @ 7:00 PM the second Thursday of the July being the first Thursday was on the 4th of July a holiday.

DATES TO REMEMBER**GENERAL MEETING**

Saturday, July 11th @ 7:00 PM
Red Cross Building - 101 N. Pat St.
Scott, LA

HAMFEST SCHEDULE**Slidell EOC Hamfest**

Slidell, LA

July 20, 2013

36th Annual WCLARC Hamfest

Leesville, LA

August 10, 2013

Local 2-Meter Nets**Sunday**

Opelousas Area ARA Net 7:00 PM
147.150 PL 103.5 Carencro, LA

Monday

AARA Monday Night Net 7:00 PM
146.820 - PL 103.5 Lafayette, LA

Tuesday

Acadiana ARES Net 7:00 PM
145.370 - PL 103.5 Lafayette, LA

Thursday

Kid's Net 7:00 PM
146.820 - PL 103.5 Lafayette, LA

AARA OFFICERS 2013-2014

President - Archie Hill W5AG

archibal@bellsouth.net

Vice Pres. - Jess Gillion KF5LUL

Secretary - Sandy Leblanc KE5KJF

Treasurer - Joy Breaux N5YCS

BOARD MEMBERS

Larry LeBlanc KE5KJD

Glen Thibodeaux - KF5FNP

Nick Romero - KE5MWX

Abigail Wilson - KF5BEW

PUBLIC INFORMATION OFFICER

Herman Campbell KN5GRK

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The *LARC* is published monthly by the:

Acadiana Amateur Radio Association

P. O. Box 51174

Lafayette, Louisiana 70505-1174

Regular meetings 1st Thursday of each month at 7:00 p.m. at the American Red Cross Building, 101 North Pat Street, Scott, LA

JUNE 2013 AARA MEETING MINUTES

June 6, 2013

CLUB MEETING:

- The AARA President, Archie Hill W5AG opened the meeting.
- Herman KN5GRK led the prayer and all recited the Pledge of Allegiance. There were 23 members and 1 visitor in attendance.
- Members introduced themselves and gave their comments on contacts and projects during the last month.
- Greg Dolan K5LFT reported that we have 3 new hams. Two from Lafayette and one from Lake Charles.

Minutes: The May minutes were not read as they were posted in the June LARC. On motion by Fred Marshall W5MLE, seconded by Tom Dischler W5OHJ the minutes were accepted as written.

Budget: Joy Breaux N5YCS gave the Treasurer's Report. On motion by Herman Campbell KN5GRK, seconded by Jess Gillion KF5LUL, the Treasurer's Report was approved as presented. The Financial Report is not published in the LARC; any member wanting a copy can contact Joy N5YCS.

Old Business: Archie Hill W5AG gave an update on activities:

May 11, 2013 Go Kit Day at Ed Roy's farm. Very successful.

Saturday, May 25, at 9 a.m. Field Day Prep. at Danny Daigle's KD5JSM home. Archie bought 2 saddles that were needed, Larry KE5KJD installed the logging software, four networked computers, and the server are up and running. Amos was cleaned and organized. Hams will use their Call Sign for logging contacts.

June 01, 2013, Field Day Prep at Danny Daigle's KD5JSM home. Archie W5AG mentioned that they tested the 6 meter ground plane and various antennas for different frequencies.

This year Field Day will be a coordinated effort. There will be a GOTA HF radio where unlicensed users can make contacts.

Archie W5AG is working on getting a tri-plexer bandpass filter built. They will try the tri-plexer, then use other antennas if necessary.

June 8 - 9, 2013, VHF Contesting to get youth involved.

Herman KN5GRK spoke about Kid's Day weekend. We will work and getting more organized for the next one in September.

Red Cross Building station - no progress.

Linking our repeater to the State network. DSTAR is on all the time. IRLP is on 20 hours a day. 443.8 W5NB is the IRLP state network.

Keith Hendricks evaluated the 147.04 repeater machine. It is not repairable. Archie W5AG set up a committee to look into what is needed to get it back on the air. The committee is as follows:

Jess Gillion KF5LUL, Chairman

Keith Hendricks K5UFO

Fred Marshall W5MLE

Nick Pugh K5QXJ

Glen Thibodeaux KF5FNP

Nick Romero KE5MWX

The mission of the committee is:

1. Acquiring a wide band FM repeater with tone.
2. Equipment new or used. Recommendations are to be presented at the August 1st meeting.

New Business:**Field Day:**

Amos can have city power but the radios need to be on generator. You can have a battery charged by Solar Power.

We will try to get the Salvation Army generator. Tom Dischler W5OHJ is bringing his camper with a generator.

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2013 SLIDELL EOC HAMFEST

Sponsored by the OZONE Amateur Radio Club

Date: Saturday July 20, 2013

Location: John Slidell Park
Gymnasium

Time: 8:00 AM - 2:00 PM

Talk-in: 147.27/87 PL 114.8

Admission: \$5.00 (includes 1 raffle ticket)

Commercial Dealers: MFJ, Regal-Brown, MCM Computers, Sign Man of Baton Rouge, Bamcom, Gifts 4 Hams, Hub City

VE Testing - Forums - Main Prizes - Hourly Prizes - Ladies Raffle.

Contact:

Ron Riviere WB5CXJ
PO Box 3087 Slidell, LA 70459
Phone: 985-640-5858
wb5cxj@live.com

Website:

<http://www.w5sla.net/>



Tom W5OHJ making contacts while Danny KD5JSM does the logging. This was Tom's first Field Day and was our #1 in making contacts while having a lot of fun.

FULL WAVE LOOP ANTENNA INFO

by Paul D. Scallan – K5VSH

These Omni-directional antennas offer horizontal polarization, and about 2.1 db of gain. They are much quieter than a dipole or a vertical, have a broader bandwidth and will usually out perform a dipole antenna.

Any shape loop will work, octagon, pentagon, square, rectangle, triangle, etc. The larger the area or aperture is, inside the loop, the better the performance will be. A circle has the largest area, but is impractical for the HF frequencies.

Length: Use the formula $L = 1005 / \text{Freq. in MHz.}$ if you're using #14 solid or stranded copper un-insulated wire. If you're using #14 stranded copper insulated wire as I did, you'll have to shorten this length by +/- 4%. This 4% is a consensus of reading many articles about wire characteristics, insulation characteristics, velocity factors, etc., which make this number between 2% and 10%. Still, some pruning might be required. Start long then prune. Assuming you design for 3.900 MHz, your total length will be $(1005 / 3.925) \times .96 = 246$ feet.

This type of antenna doesn't depend on an efficient ground system for efficient performance. The feed point impedance of a Full Wave Loop antenna is theoretically in the vicinity off 100 ohms. Any height above 25' seems to work well, but 35' to 50' is preferred.

Don't use a Balun on this antenna! On a horizontally oriented loop you can feed a corner, center of a side or anywhere. It is unimportant!

If you know you will be using the loop on Multiple Bands and you want the most efficient performance of the antenna system, you will always get less feed line loss if you use open wire 450 - 600 ohm window/ladder line, all the way in to the radio. A tuner will be necessary.

If you plan to feed the antenna with coax, use a combination of a 75 ohm "Q" section and then 52 ohm into the radio. I found that too short a length of 52 ohm (10 -12 Feet) will result in a high SWR. Therefore, I use about 50 feet. The formula for the 75 ohm "Q" section is $L = 246 \times V_f$ (Velocity Factor) / Freq. in MHz. Assuming you design for 3.900 MHz and are using RG-59 or RG-11 ($V_f=0.66$) and RG-58 or RG-8 into the radio, your "Q" section length of 75 ohm will be $(246 \times 0.66) / 3.925 = 41' - 6"$. Multiple Band operation will require a tuner.

My loop was designed for 3.925 MHz. I used #14 stranded and insulated wire. The three tie points are at 25 feet. I used a "Q" section of RG-11 of 41' - 6" and then +/- 50' or RG-8. I used a total length of 246', or 82' per side. My SWR, at frequency is 1.2:1. I have no problem getting 1:1 over the entire band with my tuner. I've had great signal reports, etc. I could have pruned a bit more, to get the SWR down some more, but was too tired at the time.



James - Jess



James - Ric - Mark - Nick

REMEMBER - JULY AARA CLUB MEETING WILL BE ON JULY 11, 2013 @ 7:00 PM - RED CROSS BUILDING, 101 N. PAT ST, SCOTT, LA

June VE Test Session Report

The June 6, 2013 VE Test Session resulted in the following:

Michael P. Scherer of Lafayette, Louisiana passed his Technician Class License and received the call KF5VZY.

William K. Gutekunst of Lake Charles, Louisiana passed his Technician License and received the call KF5VZX.

VE's supervising the test session were:

Greg Dolan II - K5LFT, Rick Breaux - N5RLM, Albert Fabacher - KF5WP, Galen Wilson - KF5BET, Mark Saltzman - W5GTI, Archie Hill - W5AG & Tom Dischler - W5OHJ.

TNX guys 73, de Greg - K5LFT

VE Testing usually takes place on the first Thursday of each month at the Red Cross Building, 101 N. Pat Street, Scott, LA at 6:00 PM local time unless noted at another time.

SABINE PARISH ARES EMERGENCY DRILL

by Herman Campbell - KN5GRK

On Saturday June 14, 2013 at around 9:30 AM, a emergency simulation was staged involving a overturned school bus in the Many, Louisiana area. Some injuries and one fatality occurred.

Injuries were evacuated to medical facilities by ambulance and helicopter. Material such as canvas, poles, ladders etc., to build temporary stretchers for the injured were asked from the public.

The communications used during this drill were supplied by the Amateur Radio Club of Sabine and the KK5SM Sabine Medical Amateur Radio Club and other volunteer ham radio operators in the area using the K5MNY 147.280 in Many, Louisiana. Jimmy W5CNN was the NCS along with Cecil Harper W5CQG logging the event.

Previous to the event, Cecil W5CQG made announcements on some of the HF/VHF nets about the event and many e-mails were sent out.

A few members of the Acadiana Amateur Radio Assoc., Inc. (AARA) checked in on EchoLink via the 146.820 Lafayette repeater. Those were:

Larry Leblanc KE5KJD, Glen Thibodeaux KF5FNP, Archie Hill W5AG, and Herman Campbell KN5GRK who linked the Lafayette 146.82 repeater to the Many 147.280 repeater.

Thanks to all involved in this project making it a total success and providing training to ARES members and other ham radio operators.



June 6, 2013 General Meeting Minutes

(continued from page 2)

It will be nice to have 1 satellite contact, and 5 below 18 years old contacts.

On Friday June 21st - 9 a.m. we will need to move Amos, antenna trailer, flatbed and set up.

We will need a GOTA coach for the GOTA W5EXI HF station.

Sign in Book, Education Activity (poster), information table - Herman.

Radios available for Amos:

Yaesu 990, Yaesu 450D (Paul donated), Kentwood TS2000 - VHF Band.

Members signed up to help:

Archie, Tom, Kathy & Danny, Wilson, Larry, Jess, Herman

Communications:

SE Louisiana Amateur Club ARES net for Thibodeaux, NO and Baton Rouge would like permission

to use the 146.82 machine on Monday at 8:30 p.m. On motion by Jess Gillion KF5LUL, seconded by Kathy Daigle KD5TJZ the motion was unanimous.

Other ARES nets: Sunday at 7:30 p.m. W5BMC - Morgan City

Tuesday at 7 p.m. Acadiana ARES Net - Ray N5LRZ

Greg Dolan K5LFT mentioned that they may need an extra person as Stocking Distributor. He also mentioned that there are responsibilities attached to the job. No one was assigned at this time.

After discussion on motion by Nick Romero KE5MWX, seconded by Larry LeBlanc KE5KJD our next meeting will be held on the second Thursday **July 11, 2013** instead of the first Thursday which is July 4th a holiday.

On motion by Galen Wilson KF5BET, seconded by Tom Dischler W5OHJ the meeting was adjourned.

Respectfully submitted,
Sandy LeBlanc KE5KJF
AARA Secretary 2013



Larry KE5KJD & AMOS

JUNE 2013 ACADIANA AREA 2 METER NET REPORTS

NET	SESSIONS:	TOTAL CHECK-INS:	TOTAL TRAFFIC:	TOTAL TIME: Minutes	Net Manager
OAARC Net - Opelousas Area Amateur Radio Club	5	47	2	72	N5LRZ Ray
AARA Monday Night Net	4	63	Ø	134	W5GTI Mark
Acadiana ARES Net	4	32	Ø	48	N5LRZ Ray
Kid's Thursday Night Net	3	29	1	45	KF5BEW Abbi KF5FYS Kendra

"God created war so that Americans would learn geography."
— Mark Twain

2013 Field Day Report Part 2

By Herman Campbell - KN5GRK

Pictures on this page were taken by myself on Field Day 2013.



ARRL & AARA Handout Table



Galen, Kendra & Abbi Wilson

We had 33 in attendance with 26 of those being ham radio operators and of those 26, 10 were AREA members.

Here are those that signed in our "Sign-in Roster". We probably had a few that did not sign in.

Archie - W5AG
Nick - KE5MWX
Paula - KF5CNS
James - KF5AHM
Danny - KD5JSM
Kathy - KD5TJZ
Dave - N4ELM
James - KF5RBW
Glen - KF5FNP
Tom - WB5JHY
Galen - KF5BET
Abb - KF5BEW
Kendra - KF5FYS
Gena Faulk
Brandi Gillion
Kasia Gillion
David Garrison

Greg - K5LFT
David - KC5DPL
Vinko - KF5NZC
Roger - W5QEP
Calvin - KD5JCT
Herman - KN5GRK
Larry - KE5KJD
Sandy - KE5KJF
Mark - W5GTI
Jess - KF5LUL
Ric - KF5KEL
Jackie - KF5PCH
Harry - AC5PG
Chelsey Herron
Quinden Heron
Cristi Wilson



Nick KE5MWX & Galen KF5BET



Feeding the Crew at Saturday Lunch Time



UPCOMING BIRTHDAYS

7/1	CHARLES	K5UA
7/2	EUGENE	WA5KNC
7/16	SAMUEL	KF5BCP
7/18	JOY	N5YCS
7/21	JOE	W5XJF
7/22	RALPH	WB5GAF
7/22	RICK	N5RLM
7/22	PAT	W5WMU
7/24	JOHN	KF5UMC
7/27	CALVIN	KD5JCT
8/7	JACKIE	KF5PCH

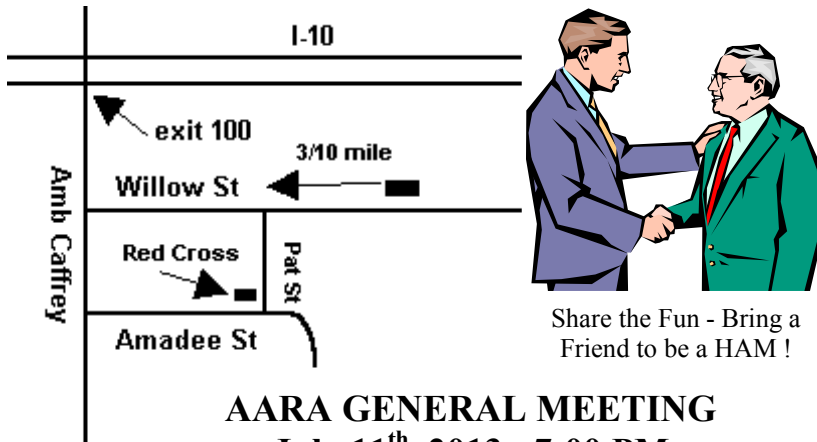
Some members failed to put their birthdays on their applications for renewal / membership causing some names to be missing from the list.



Flex 1500 Display

Acadiana Amateur Radio Assoc., Inc.
P. O. Box 51174
Lafayette, LA 70505-1174

Website: <http://www.w5ddl.org>



Share the Fun - Bring a
Friend to be a HAM !

AARA GENERAL MEETING
July 11th, 2013 - 7:00 PM
VE TESTING TONIGHT - 6:00 PM
Red Cross Building, 101 N. Pat St., Scott, LA
Lunch Bunch - Each Wednesday 10:45 AM – 2:00 PM
Golden Corral - Amb. Caffery - Lafayette, LA
Check 146.820 PL 103.5 - repeater for info.

COMPLIMENTARY
ISSUE



PAUL'S RIBS (To Die For)

By Paul Scallan, Sr. - K5VSH

One (1) Rack of Spare Ribs or Baby Back Ribs. (rack can be cut in 3 rib segments). Also, "Country Style Ribs" can be used. Remove excess fat and connective tissue between ribs.

Mix the following:

- | | |
|-----------------------------|---------------------------------------|
| 1/2 cup brown sugar | 1 tsp. garlic powder |
| 1 tsp. chili powder | 1 cup of honey |
| 1 tsp. paprika | 1 1/2 cups of your favorite BBQ sauce |
| 2 tbs. of Old Bay Seasoning | (I use Cattlemen's Classic) |
| 1 ttsp. onion powder | 1/4 cup of white vinegar |

Coat both sides of ribs with the above mixture. Marinate for 1 hour or overnight. Place ribs on a large, Pam sprayed, baking sheet with sides. Cover with foil and bake at 350 Deg. F for 2 to 2-1/2 hours or until meat is very tender and the bones pull out of the meat easily. Turn ribs once or twice during baking and baste.

Note: Baby Back Ribs will not take as long to cook.

If you have a "Special" recipe you would like to publish, send it to:

Herman Campbell KN5GRK
kn5grk@lusfiber.net

FCC Information Service

Toll Free (WATS) for Amateur Radio license inquiries about new/vanity call signs: 888-225-5322. This will connect you the FCC National Call Center, handled by the FCC's Consumer Information Bureau. Amateurs having ULS problems or questions should contact the FCC's ULS Technical Support staff at: 202-414-1250 or:

ulscomm@fcc.gov.

FCC Website:

<http://wireless.fcc.gov/uls/>

New call sign information can also be obtained from the ARRL/VEC at 860-594-3000.

<http://www.arrl.org/arrlvec>

The mailing address to the FCC is:

Federal Communications Commission,
1270 Fairfield Road, Gettysburg, PA 17325-7245